

CLAIMS

What is claimed is:

1. A method of communicating between components of a home subsystem for processing electronic books, the method comprising:
 - sending data text related to an electronic book from a library to a viewer;
 - comparing a viewer identifier associated with the viewer with a data identifier associated with the data text; and
 - if the viewer identifier matches the data identifier, storing the data text in the viewer.
2. The method of claim 1, further comprising encrypting the data text.
3. The method of claim 2, further comprising preventing the viewer from outputting decrypted data text.
4. The method of claim 2, further comprising:
 - displaying the data text on a display portion of the viewer; and
 - decrypting the data text as the data text is displayed.
5. The method of claim 1, further comprising compressing the data text.
6. The method of claim 5, further comprising preventing the viewer from outputting decompressed data text.
7. The method of claim 5, further comprising:
 - displaying the data text on a display portion of the viewer; and
 - decompressing the data text as the data text is displayed.

1 8. The method of claim 1, wherein the data text is encrypted and compressed when it is
2 received by the viewer, and further comprising decompressing and decrypting a portion of the
3 data text.

4 9. The method of claim 1, further comprising encrypting and compressing the data text
5 before it is sent to the viewer, and further comprising decompressing and decrypting the data
6 text one page at a time, as a current page is displayed on the viewer.

7 10. The method of claim 1, wherein the viewer has a unique key for decrypting the data
8 text, whereby only one viewer can access a particular transmission of data text.

9 11. The method of claim 1, wherein the data text is transmitted as a digital bit stream.

10 12. The method of claim 1, wherein the data text is transmitted from a remote cable
11 headend to the library and bundled into a data file, which data file is sent to the viewer.

12 13. A method for processing text data for an electronic book comprising:
13 receiving a packet of text data;
14 determining whether the packet has a unique packet identifier; and
15 if the packet has a unique packet identifier, determining whether the packet identifier
16 matches a library identifier of a library; and
17 if the packet identifier matches the library identifier, storing the packet to a data file in
18 a library storage.

19 14. The method of claim 13, wherein the packet is received by the library.

1 15. The method of claim 14, wherein the packet is transmitted as a digital bit stream from
2 a remote cable headend to the library.

3 16. The method of claim 13, further comprising, if the packet does not have a unique
4 packet identifier, storing the packet to an electronic message file.

5 17. The method of claim 13, wherein the step of storing comprises:
6 determining whether the data file has been opened, and
7 if the data file has been not been opened,
8 opening the data file; and
9 storing the packet to the data file.

10 18. The method of claim 17, further comprising:
11 determining whether the packet is a final packet received for an electronic book, and
12 if the packet is the final packet,
13 closing the data file; and
14 updating a directory.

15 19. The method of claim 13, further comprising sending the data file to a viewer.

16 20. The method of claim 19, further comprising encrypting and compressing the data file.

17 21. A method for processing data text for electronic books comprising:
18 sending a packet of data text from a remote operations center to a library;
19 encrypting and compressing the packet;
20 sending the packet to a viewer communicatively coupled to the library;
21 storing the packet in a viewer storage;

1 decompressing and decrypting the packet; and
2 displaying the data text on a display of the viewer.

3 22. The method of claim 21, further comprising storing the packet to a data file in the
4 library, which data file is capable of storing a plurality of packets related to an electronic book.

5 23. The method of claim 22, wherein the step of encrypting and compressing the packet
6 comprises encrypting and compressing the data file, and wherein the step of sending the packet
7 to the viewer comprises sending the data file to the viewer.

8 24. The method of claim 21, wherein the data packet is sent in a bit stream having a packet
9 identifier, and further comprising comparing a packet identifier with a library identifier, and
10 wherein the step of sending the packet to the library comprises sending the packet to the library
11 if the packet identifier matches the library identifier.

12 25. The method of claim 24, wherein the step of decompressing and decrypting the data
13 file comprises using a security key unique to the viewer.

14 26. The method of claim 21, wherein the step of decompressing and decrypting comprises
15 decompressing and decrypting a page of an electronic book at a time, as the page is displayed
16 on the display.